

**Southeast Asian Fisheries Development Center**

**Aquaculture Department**

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2008

# Institutional capacity development for sustainable aquaculture

Aquaculture Department, Southeast Asian Fisheries Development Center

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## OBJECTIVES

- build the capacity of LGUs, community-based organizations, NGOs, fishery schools, and other on-the-ground institutions for the practice of sustainable aquaculture
- demonstrate the technical and financial feasibility of aquaculture technologies in project sites
- ensure the sustainability of aquaculture as a livelihood for small-scale fishers
- provide stakeholders with scientific information on aquaculture and aquatic resources
- assess the project's contributions to the improvement of the socioeconomic well-being of fishing communities, impacts on the aquatic ecology, and influence on local legislation for effective governance of aquatic resources
- evaluate the effectiveness of mechanisms for the transfer and adoption of aquaculture technologies

## TARGETS

- organized fishers and farmers
- local government unit officers, planners, and development workers
- non-government organization workers
- academe (faculty and students)



## ABOUT SEAFDEC

The Southeast Asian Fisheries Development Center (SEAFDEC) is a regional treaty organization established in December 1967 to promote fisheries development in the region. Its member countries are Brunei Darussalam, Cambodia, Indonesia, Japan, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Vietnam. The policy-making body of SEAFDEC is the Council of Directors, made up of representatives of the member countries.

SEAFDEC has four departments that focus on different aspects of fisheries development:

- The Training Department (TD) in Samut Prakan, Thailand (1967) for training in marine capture fisheries
- The Marine Fisheries Research Department (MFRD) in Singapore (1967) for post-harvest technologies
- The Aquaculture Department (AQD) in Tigbauan, Iloilo, Philippines (1973) for aquaculture research and development, and
- The Marine Fishery Resources Development and Management Department (MFRDMD) in Kuala Terengganu, Malaysia (1992) for the development and management of fishery resources in the exclusive economic zones of SEAFDEC member countries.

SEAFDEC/AQD is mandated to:

- Conduct scientific research to generate aquaculture technologies appropriate for Southeast Asia
- Develop managerial, technical and skilled manpower for the aquaculture sector
- Produce, disseminate and exchange aquaculture information

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# Institutional Capacity Development for Sustainable Aquaculture



Southeast Asian Fisheries Development Center  
AQUACULTURE DEPARTMENT





## RATIONALE

The effective introduction of social and technological interventions to improve the people's socioeconomic conditions and promote the efficient management and sustainable development of natural resources is supported by strong collaboration among stakeholders. Strong collaboration may only be achieved if the stakeholders (LGUs, fisherfolk organizations, schools, NGOs, etc.) have the capacities to perform their roles.

## GOAL

To build the capacities of aquatic resource users by providing them with the knowledge and skills to become responsible resource managers and users

## PROJECT STRATEGY

Formal partnership with local institutions including the Bureau of Fisheries and Aquatic Resources in building capacities of target beneficiaries on participatory, inter-disciplinary, and community-based strategies in the transfer and adoption of scientifically tested and appropriate aquaculture and resource management techniques



## CURRENT PROJECT SITES

### ILOCOS NORTE

Exploratory talks on multi-species hatchery

### CAGAYAN

Exploratory talks on tilapia hatchery-nursery

**Partner:** Provincial Government of Cagayan

### AURORA

Exploratory talks on multi-species hatchery  
**Partner:** Aurora State College of Technology

### BULACAN

Exploratory talks on brackish and freshwater aquaculture, coastal fishery resources management

### ANTIQUE

**Project components:** stock enhancement of giant clam, seabass culture in ponds and cages, mudcrab culture, freshwater aquaculture (tilapia, catfish, freshwater prawn)

**Sites:** Malalison Island, Hamtic, Pandan, Tibiao, and Barbaza

**Partners:** Provincial Government of Antique, LIPASECU, and Polytechnic State College of Antique (2006)

### ILOILO

**Project component:** rice-fish culture

**Sites:** Agrarian Reform Communities

**Partner:** Department of Agrarian Reform Region VI (2008)

### CAPIZ

**Project components:** culture of grouper and mudcrab, freshwater aquaculture, fishery resource management

**Sites:** Dayao, Roxas City; Dumarao

**Partners:** Provincial Government of Capiz, Municipal Government of Dumarao, and Capiz State University (2006)

### GUIMARAS

**Project component:** milkfish cage culture

**Site:** SEAFDEC/AQD's Igang Marine Station

**Partners:** Petron Foundation Inc, Citigroup, Provincial Government of Guimaras, Municipal Government of Nueva Valencia (2007)

### NORTHERN SAMAR

**Project component:** mudcrab culture

**Sites:** Pambujan, Lao-ang, Rosario, and Lavezares

**Partners:** Provincial Government of Northern Samar, Action for Community Empowerment Association Inc, and Australian Center for International Agricultural Research, Community Agricultural Technologies Project (CATP)/ International Institute of Rural Reconstruction (IIRR) (2007)

### MISAMIS OCCIDENTAL

**Project components:** multi-species fish hatchery, grouper cage nursery and grow-out culture

**Sites:** Misamis Occidental Aquamarine Park, Sinacaban; Tudela, Pana-on, Jimenez

**Partners:** Provincial Government of Misamis Occidental, Philippine Australia Community Assistance Program-CATP/IIRR, fisherfolk cooperatives (2007)

### TAWI-TAWI

**Project components:** multi-species marine fish and abalone hatchery

**Site:** Bongao

**Partners:** Bureau of Fisheries and Aquatic Resources, Provincial Government of Tawi-tawi, Philippine Fisheries Development Authority, USAID Growth with Equity in Mindanao Program

